

FIGURE 1

HUMAN NMDAR1 cDNAs

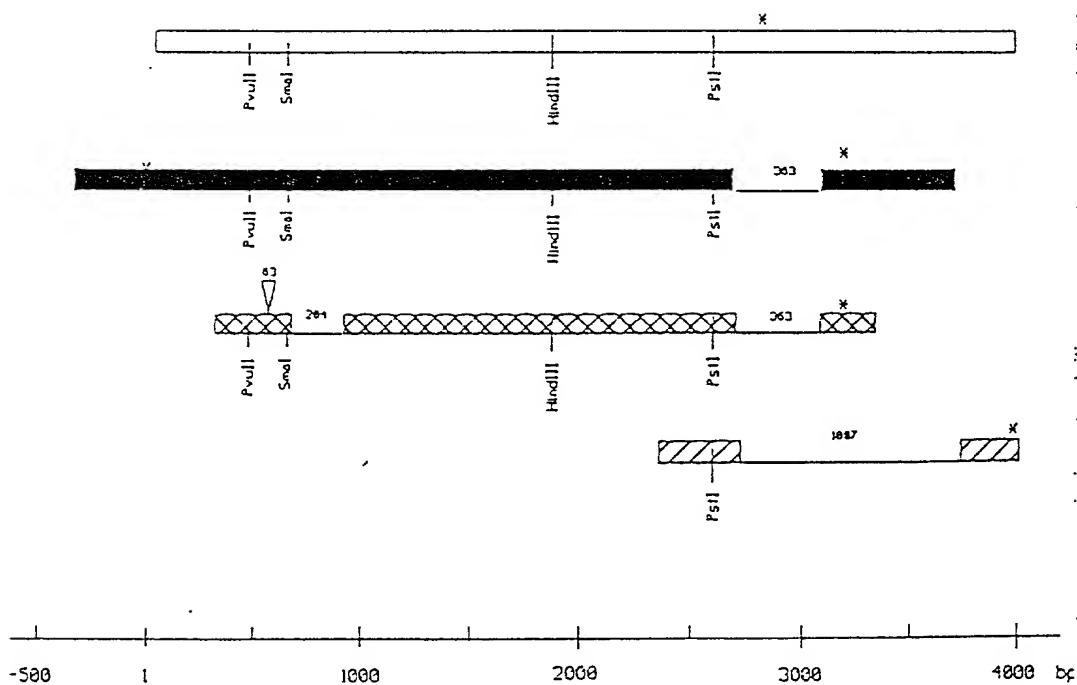
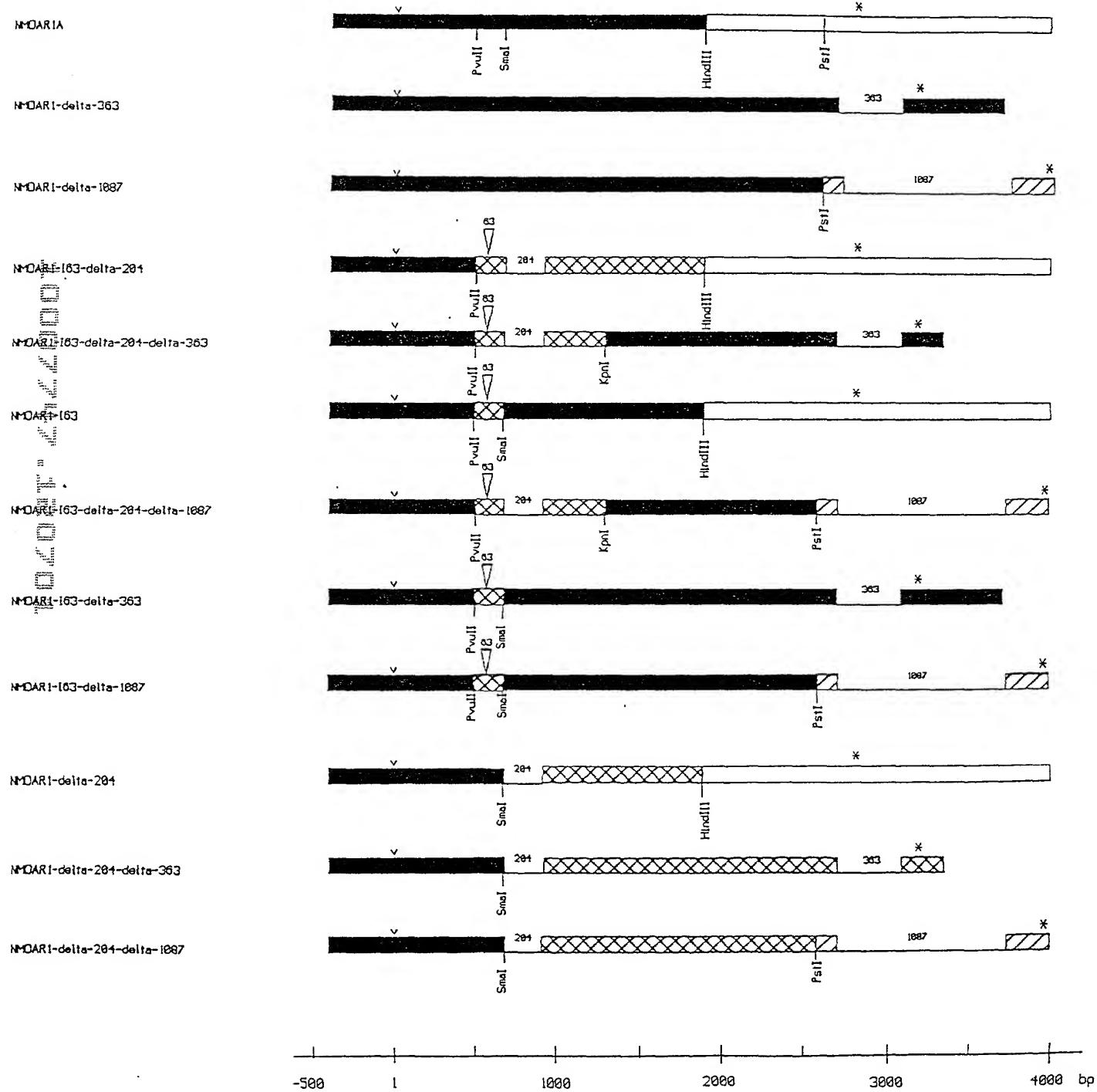


FIGURE 2

HUMAN NMDAR1A CONSTRUCTS



3/6
FIGURE 3

NUCLEOTIDE SEQUENCE OF THE HUMAN NMDAR1A RECEPTOR

1 caagccgggc gttcgaggct gtgccggcc cccgttcaac acccgaggaca ggcggggccg cgtggggctg agcgccgagc ccccgccgac gcttcagccc
 101 cccttcctc ggccgacgtc ccgggaccgc cgcgtccggg gagacgtggc gtccgcagcc cggggggccg ggccgagcga ggacggcccg gaagccccgc
 201 gggggatgcg ccgaggccc cgcgttcgcg ccgcgcagag ccaggcccgc ggcccgagcc cATGAGCACC ATGCCCTGC TGACGCTCGC CCTGGCTTTC
 — START
 301 TCCTGCTCCG TCGCCCTGC CGCGTGCGAC CCCAAGATCG TCAACATTGG CGCGGTGCTG AGCACGCGGA AGCACAGCA GATGTTCCGC GAGGGCGTGA
 401 ACCAGGCCAA CAAGGGCAC GGCTCTGGG AGATTCAGET CAAATGCCAC TCGTCACGC ACAAGCCAA CGCCATCCAG ATGGCTCTGT CGGTGTGGG
 501 GGACCTCATC TCCAGCCAGG TCTACGGCAT CCTAGTTAG CATCCACCTA CCCCCAACGA CCACTTCACI CCCACCCCTG TCTCTTACAC ACCGGGCTTC
 601 TACCGCATAC CGCTGCTGGG GCTGACCAAC CGCATGTCGA TCTACTCGGA CAAGAGCATC CACCTGAGCT TCTCTGCGAC CGTGGCCGCC TACTCCACCC
 701 AGTCAGCGT GTGGTTTGAG ATGATCGCTG TCTACAGCTG GAACACATC ATCTGCTGG TGAGCGAGGA CCACGAGGGC CGGGGGGCTC AGAAACGGCT
 801 GGAGACGCTG CTGGAGGGAGC GTGAGTCCAA GGCAAGAGAAG GTGAGTCACT TTGACCCAGG GACCAAGAAC GTGACGGCCC TGCTGATGGA GCGGAAGAG
 901 fSma I] CTGGAGGCC GGGTCATCAT CCTTCTGCC AGCGAGGAGC ATGCTGCCAC TGTATACCGC GCAGCGGEGA TGCTGACAT GACCGCTCC GGGTACGTGT
 —8glII———
 1001 GGCTGGTGG CGAGCCGGAG ATCTGGGGGA AGCCCTCGG CTACGCCCA CACGGCATCC TEGGGCTGCA GCTCATCAAC GGCAAGAACG AGTCGGCCCA
 1101 CATCAGCGAC GCGGTGGGGC TGGTGGGCCA GGGCGTGCAC GAGCTCTCG AGAAGGAGAA CATCACCGAC CGCCCGCCGG GCTGGTGTG CACACCAAC
 1201 ATCTGGAAGA CGGGGGCCT CTICAAGAGA GTGCTGATGT CTICAAGTA TCGGGATGGG GTGACTGGTC CGCTGGAGTT CAATGAGGAT GGGGACCGGA
 1301 AGTTGGCCAA CTACAGCATC ATGAACTCG AGAACCGCA GCTGGTGCMA GTGGGCATCT ACAATGGCAC CCACGTCACT CCTAATGACA GGAAGATCAT
 1401 CTGGCCAGGC GGAGAGACAG AGAACCTCG AGGGTACCAAG ATGTECCACCA GACTGAAGAT TGTGACGATC CACCGAGGC CCTTCGTGTA CGTCAGGCC
 1501 ACGCTGAGTG ATGGGACATG CAAGGGAGG TTCACAGTC ACAGCGACCC AGTCAAGAAC GTGATCTGCA CGGGGGCCAA CGACACGCTG CGGGGAGGCC
 1601 CCCGGCACAC GGTGCTCTAG TGTGCTGAG GTTGGCAT CGACCTGCTC ATCAAGCTGG CACGGACCAT GAACTTCACCA TAGGAGGTGCA ACCTGGTGGC
 1701 AGATGGCAAG TTGGCACAC AGGAGGGGT GAAACACAGC AACAAAGAAGG AGTGGAAATGG GATGATGGG GAGCTGCTCA CGGGGCAGGC AGACATGATC
 1801 GTGGCCCGC TAACCATAAA CAACGAGCGC GCGCAGTACA TCGAGTTTC CAAGCCCTTC AAGTACCAAGG GCTGACTAT TCTGGTCAAG AAGGAGATTC
 1901 CCCGGAGCAC GCTGGACTCG TTCACTGAGG CGTTCAGAG CACACTGTG CTGCTGGTGG GGCTGTCGGT GCACGTTGGT GCGGTGATGC TGACCTGCT
 2001 GGACCGCTTC AGCCCCCTCG GCGGTTCAA GGTGAACAGC GAGGAGGGAGG AGGAGGACCC ACTGACCCCTG TCTCTGGCCA TGTGGTTCTC CTGGGGCGTC
 2101 CTGCTCACT CGGGCATCGG GGAAGGCC CGCCAGAACGCT TCTCAGCGG CACCTGGGC ATGGTGTGGG CGGGCTTTCG CATGATCATC GIGGGCTCC
 2201 ACACGGCCAA CCTGGGGGCC TTCTGGTGC TGGACGGGGC GGAGGGAGGC ATCACGGGCA TCAACGGACCC TCGGCTGAGG AACCCCTCGG ACACGTTAT
 2301 CTACGCCAEG GTGAAGCAGA GCTCCGTGGA TATCTACTTC CGGGGCCAGG TGGAGCTGAG CACCATGTAC CGGCATATGG AGAACACAA CTACGAGAT
 2401 GCGGGGAGG CCATCCAGGC CGTGAAGAAC AACAAAGCTGC ATGCCCTCAT CTGGACTCG CGGGTGTGG AGTGGAGGC CTGGCAGAAC TGGAACCTGG
 2501 TGACCACTGG AGAGCTGTTT TTCCGCTGGG GCTTCGGCAT AGGCATGCCG AAAGACAGCC CCTGGAAAGCA GACACGCTCC CTGTCCTACCA TCAAGTCCA
 2601 CGAGAAATGGC TTCACTGAAAG ACCTGGACAA GACGTGGGTT CGGTATCAGG AATGTCACTC GGGCAGCAC ACCTGGGCGA CCCTTACTTT TGAGAACATG
 2701 GCGGGGTCT TCATGCTGGT AGCTGGGGC ATCGTGGCGG GGATCTTCAT GATTTCTAC GAGATTGGCT ACACGGGCA CAAGGATGCT CGGGGGAGC
 2801 AGATGCAGCT GGCCTTGGC GCGCTTAACG TGTGGGGAA GAACTGGAGC GATAGAAAGA GTGGTAGAGC AGAGCCTGAC CCTAAAAAGA AACCCACATT
 2901 TAGGGCTATC ACCTCCACCC TGGCTTCCAG CTTCAGAGG CGTAGGTCTT CCAAAGACAC GAGCACCEGGG GGTGGACGGG GTGCTTTGCA AAAACAAAA
 3001 GACACAGTCG TGCGGGAGG CGCTATTGAG AGGGAGGAGG GCGAGCTGCA GCTGTGTTCC CGTCATAGGG AGAGCTGAGa ctccccccccgcccccttc
 3101 gcccccccccc cgcgcacag acagacacag ggacgggaca gggggccggc ccacgcacag cccggagca ccacggggcgg gggggaggag cccccccagc
 3201 ctccccccagg ctgcgcctgc cggcccccgg gttggccggc tggccggctc acccccgtccc gggggggggc gtcggccggc cgtggggctc acggggccct
 3301 tgtctgtta ttctttttt gcaagtagtac catccactg atatcacgg cccgcataac ctctcagatc cctcggctcag caccgtggtg tgggggcccc
 3401 ggagggcccc acctggcccg tagccggc caaggacac gatgggtctt gtcgtcggt gggccctgag ggaagccccac cccggccaga gactggccac
 3501 cctggccctc cgcgcgttcc gccccccac cccgcgttcc ggcggccgc cccgtgtgg ccaagggtgcg gacccggagcg gctgaggagc gggcagagct
 3601 gatgtcggtcg ggcaggcccg caggccgtcc cggcgcacggc aggccccctgg ggtctctgag cagtggggag cggggggctaa ctggccccgg gcgaggggcc
 3701 ttggagcaga gacggcagac ccatcttcc cgcgcacacca gctcgaccca cagtggggcc catggccca gatggctggg teccccctcc tcggggccct
 3801 ggcgcctctc gacgcctgag ctccacccctt cggccacccgc ccaccaaaca ccccgctctgc cccttgacgc cacacgcggg ggtggccgc
 3901 gcccccccccc acggccgtcc ctgcattttt acgtggcagc gctccggcc gcctcccccac gatcgagag ggtggagccc ctccctctcc
 4001 cgtccggccctc gacgcacaga agggggctc cccggggcgt ggctgggac ggtctggatc tggcttcacac cctggccctgc accttggca cggggagcg
 4101 ccacccccc gcccccccccc tgcgtccggg tgcgtgaccc gccccccacc ttgtacaa gacgcactcc caggggccggc ggcgcgtgcct tcccccgtgc
 4201 cagccgcgtt ctgcctcc gtcctccggg tgcaggccgg cccccccatc cgggtgtatc cagtggatc gcttaaggaa atgtcaeg

FIGURE 4

HUMAN NMDAR2C cDNAs

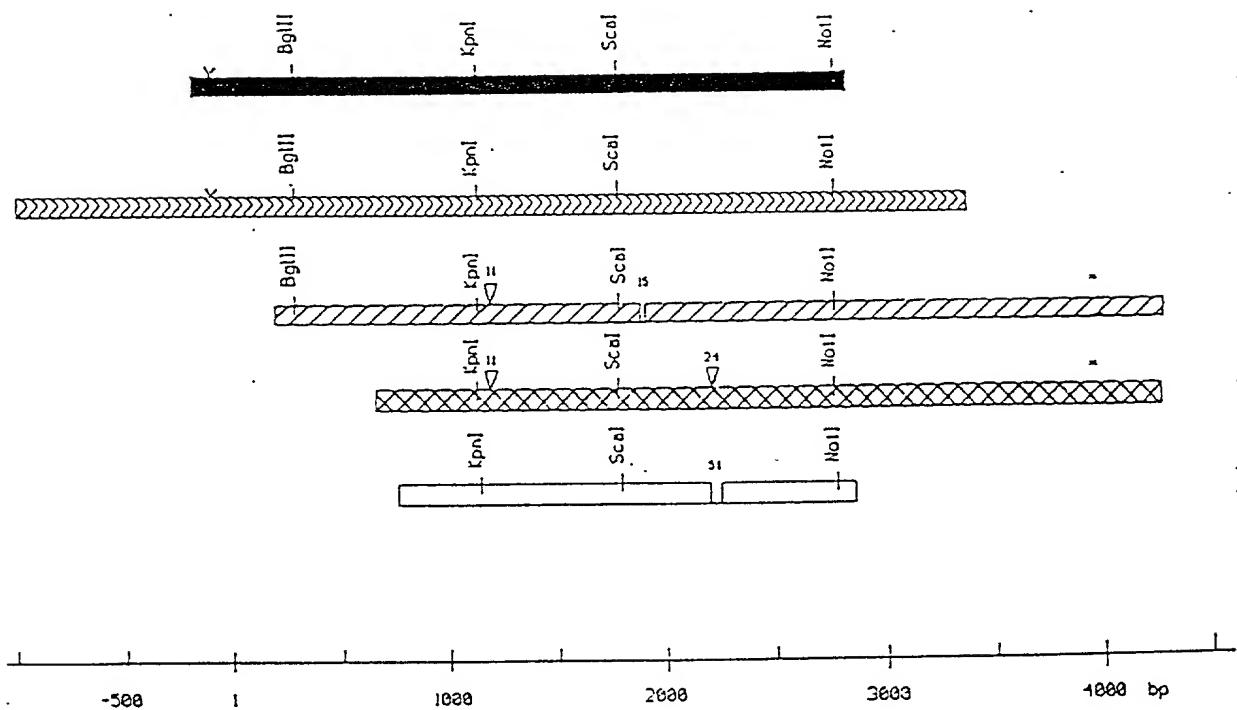


FIGURE 5

CONSTRUCTION OF THE FULL-LENGTH HUMAN NMDAR2C cDNAs

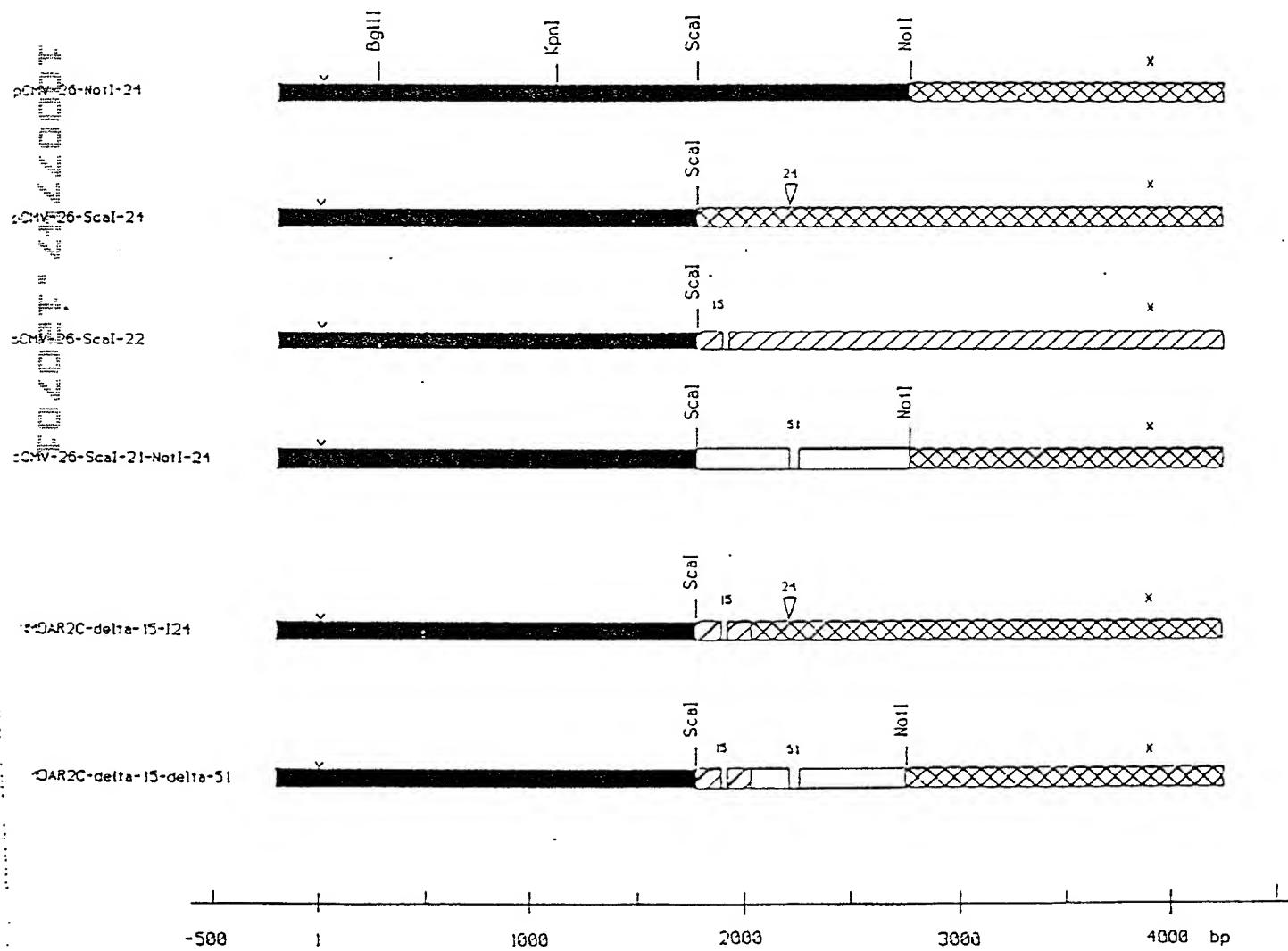


FIGURE 6

